

D. Johansen

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MAY 04 2001

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#6

1655

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/525,361

DATE: 04/24/2001

TIME: 13:18:49

Input Set : A:\A67860-3.app

Output Set: N:\CRF3\04242001\I525361.raw

P.S

ENTERED

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4 GISH, KURT
6 <120> TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING AND TREATING BREAST CANCER,
7 COMPOSITIONS, AND METHODS OF SCREENING FOR BREAST
8 CANCER MODULATORS
10 <130> FILE REFERENCE: A-67860-3/DJB/JJD
12 <140> CURRENT APPLICATION NUMBER: US 09/525,361
13 <141> CURRENT FILING DATE: 2000-03-15
15 <150> PRIOR APPLICATION NUMBER: US 09/268,865
16 <151> PRIOR FILING DATE: 1999-03-15
18 <150> PRIOR APPLICATION NUMBER: US 09/450,810
19 <151> PRIOR FILING DATE: 1999-11-29
21 <150> PRIOR APPLICATION NUMBER: US 09/453,137
22 <151> PRIOR FILING DATE: 1999-12-02
24 <150> PRIOR APPLICATION NUMBER: US 09/439,878
25 <151> PRIOR FILING DATE: 1999-11-12
27 <150> PRIOR APPLICATION NUMBER: US 09/440,370
28 <151> PRIOR FILING DATE: 1999-11-12
30 <150> PRIOR APPLICATION NUMBER: US 09/440,493
31 <151> PRIOR FILING DATE: 1999-11-15
33 <150> PRIOR APPLICATION NUMBER: US 09/520,478
34 <151> PRIOR FILING DATE: 2000-03-08
36 <150> PRIOR APPLICATION NUMBER: US 09/440,676
37 <151> PRIOR FILING DATE: 1999-11-16
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40 <151> PRIOR FILING DATE: 1999-11-16
42 <160> NUMBER OF SEQ ID NOS: 53
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150 20 25 30
151
152 Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
153 35 40 45
154
155 Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
156 50 55 60
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158 Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
159 65 70 75 80
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162 85 90 95
163
164 Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
165 100 105 110
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167 Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
168 115 120 125
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173 Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
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176 Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
177 165 170 175
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180 180 185 190

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186       210                215                220
188 Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg
189 225                230                235                240
191 Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val Pro Ser Thr Phe Leu
192                245                250                255
194 Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro
195                260                265                270
197 Ala Arg Thr Cys Ile Gly Val Thr Thr Val Leu Ser Met Thr Thr Leu
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200 Met Ile Gly Ser Arg Thr Ser Leu Pro Asn Thr Asn Cys Phe Ile Lys
201       290                295                300
203 Ala Ile Asp Val Tyr Leu Gly Ile Cys Phe Ser Phe Val Phe Gly Ala
204 305                310                315                320
206 Leu Leu Glu Tyr Ala Val Ala His Tyr Ser Ser Leu Gln Gln Met Ala
207                325                330                335
209 Ala Lys Asp Arg Gly Thr Thr Lys Glu Val Glu Glu Val Ser Ile Thr
210                340                345                350
212 Asn Ile Ile Asn Ser Ser Ile Ser Ser Phe Lys Arg Lys Ile Ser Phe
213                355                360                365
215 Ala Ser Ile Glu Ile Ser Ser Asp Asn Val Asp Tyr Ser Asp Leu Thr
216       370                375                380
218 Met Lys Thr Ser Asp Lys Phe Lys Phe Val Phe Arg Glu Lys Met Gly
219 385                390                395                400
221 Arg Ile Val Asp Tyr Phe Thr Ile Gln Asn Pro Ser Asn Val Asp His
222                405                410                415
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Input Set : A:\A67860-3.app

Output Set: N:\CRF3\04242001\I525361.raw

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273 attttgatgg tgaactgtct gcttgcttat atcatgaatt acatcattgg gaagaataaa 660
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/525,361

DATE: 04/24/2001

TIME: 13:18:50

Input Set : A:\A67860-3.app

Output Set: N:\CRF3\04242001\I525361.raw

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L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:2652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53